

1. Record Nr.	UNINA9910968624703321
Titolo	Diptera diversity : status, challenges and tools // edited by Thomas Pape, Daniel Bickel, Rudolf Meier
Pubbl/distr/stampa	Leiden ; ; Boston : , : Brill, , 2009
ISBN	9786612949036 9781282949034 1282949039 9789004181007 9004181008
Edizione	[1st ed.]
Descrizione fisica	1 online resource (479 p.)
Collana	Brill eBook titles
Altri autori (Persone)	BickelDaniel J MeierRudolf <1963-> PapeThomas <1960->
Disciplina	595.77
Soggetti	Diptera Diptera - Geographical distribution Diptera - Variation
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Preliminary Material / D. Bickel , T. Pape and R. Meier -- Chapter One. Nearctic Diptera: Twenty Years Later / F. Christian Thompson -- Chapter Two. Hawaii's Diptera Biodiversity / Neal L. Evenhuis -- Chapter Three. Neotropical Diptera Diversity: Richness, Patterns, And Perspectives / Dalton de Souza Amorim -- Chapter Four. Dipteran Biodiversity Of The Galápagos / Bradley J. Sinclair -- Chapter Five. Palaearctic Diptera — From Tundra To Desert / Thomas Pape -- Chapter Six. Afrotropical Diptera — Rich Savannas, Poor Rainforests / Ashley H. Kirk-Spriggs and Brian R. Stuckenberg -- Chapter Seven. Oriental Diptera, A Challenge In Diversity And Taxonomy / Patrick Grootaert -- Chapter Eight. Diversity, Relationships And Biogeography Of Australian Flies / David K. Yeates , Daniel Bickel , David K. McAlpine and Don H. Colless -- Chapter Nine. Biogeography Of Diptera In The Southwest Pacific / Daniel Bickel -- Chapter Ten. Why Hilara Is Not Amusing: The Problem Of Open-Ended Taxa And The Limits Of

Taxonomic Knowledge / Daniel Bickel -- Chapter Eleven. Diptera As Ecological Indicators Of Habitat And Habitat Change / Marc Pollet -- Chapter Twelve. Biodiversity Research Based On Taxonomic Revisions — A Tale Of Unrealized Opportunities / Torsten Dikow , Rudolf Meier , Gaurav G. Vaidya and Jason G. H. Londt -- Chapter Thirteen. DNA Barcoding And DNA Taxonomy In Diptera: An Assessment Based On 4,261 COI Sequences For 1,001 Species / Rudolf Meier and Guanyang Zhang -- Chapter Fourteen. Diptera Biodiversity Informatics / Shaun L. Winterton -- Chapter Fifteen. Meeting The Interrelated Challenges Of Tracking Specimen, Nomenclature, And Literature Data In Mandala / Gail E. Kampmeier and Michael E. Irwin -- Appendix. Species Of Diptera Per Family For All Regions / D. Bickel , T. Pape and R. Meier -- Index / D. Bickel , T. Pape and R. Meier.

Sommario/riassunto

This is the first comprehensive synopsis of the biodiversity of Diptera, which with more than 150.000 described species contain more than one tenth of all described animal species. The first part is a review of what is already known, with treatments of all the major biogeographical regions and important archipelagoes; the second part contains case studies on open-ended taxa, Diptera as ecological indicators, and how to estimate the still unknown proportion of our fauna; and the third part discusses the digital and molecular tools needed to document the fauna. The book has an emphasis on principles and analytical approaches as well as on practical 'how-to' information and is intended for academicians and other professionals but with a significant outreach to students.
